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Certification of Mailing or Transmission

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Debra M. Szumowski

Name

Signature

DOCKET: CU-3315

IN THE UNITED STATES PATENT & TRADEMARK_OFFICE

APPLICANT:	Dong Hae SUH et al	
PATENT NO:	6,947,112	Group Art Unit: 2871
ISSUE DATE:	September 20, 2005) Examiner:) Chowdhury, T.R.
TITLE:	LIQUID CRYSTAL DISPLAY))
SERIAL NO: 10	630,038 filed July 30, 2003	Cortificate
Commissioner fo	or Patents	FEB 2 5 2008

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

of Correction

REQUEST FOR CERTIFICATE OF CORRECTION DUE TO PATENT OFFICE MISTAKE (37 CFR 1.322(a))

Dear Sir:

This is a request for Certificate of Correction for the above referenced patent.

There appears an error on the title page of the patent wherein the serial number of the first Korean priority application (Korean Patent Application No. 10-2002-0045641 filed August 1, 2002) is incorrect, as shown in red on the attached copy.

To provide support of the serial number of the Korean priority application, the following materials are also enclosed herewith:

- 1. Copy of the Combined Declaration & Power of Attorney in which the serial number of the Korean priority applications are indicated on page 3 thereof.
- 2. Copy of the official filing receipt with indication of Korean priority application.
- 3. Copy of title page of certified copy of Korean priority application at Publication No. 10-2002-45641 filed August 1, 2002 as submitted on July 30, 2003.

E 67 C

Attached is Form PTO/SB/44, which is believed to be suitable for printing.

It is believed that no fee is necessary for this Certificate of Correction, as the error occurred through no fault of the applicant.

In addition, it is believed that the enclosed materials unequivocally support the undersigned 's assertion of the correct serial number of the first Korean priority application.

It is respectfully requested that a Certificate of Correction be issued as expeditiously as possible.

Respectfully submitted,

February 19, 2008

Date

/32

Attorney for Applicant

Woochoon W. Park, Reg. 55523

c/o Ladas & Parry

224 South Michigan Avenue

Chicago, Illinois 60604

(312) 427-1300

UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO:

6,947,112

DATED:

September 20, 2005

INVENTOR(S): Dong Hae SUH et al

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page, Item (30)

delete "10-2003-0045641"

and insert -- 10-2002-0045641--

RECEIVED-USPTO Patent Publication

PATENT NO. 6,947,112 FEB 2 5 2008

No. of additional copies



(12) United States Patent Suh et al.

(10) Patent No.:

US 6,947,112 B2

(45) Date of Patent:

Sep. 20, 2005

(54)	LIQUID (CRYSTAL DISPLAY
(75)	Inventors:	Dong Hae Suh, Daegu (KR); Young Il Park, Seoul (KR); Hee Cheol Kim, Seoul (KR); Hwan Su Shim, Kyoungki-do (KR); Won Geon Lee, Seoul (KR)
(73)	Assignee:	Boe-Hydis Technology Co., Ltd., Kyoungki-do (KR)
(*)	Notice:	Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
(21)	Appl. No.:	10/630,038
(22)	Filed:	Jul. 30, 2003
(65)		Prior Publication Data
	US 2004/00	21817 A1 Feb. 5, 2004
(30)	Forei	gn Application Priority Data 7002
Aug Ap	g. 1, 2002 r. 8, 2003	(KR) 10-2993-0045641 (KR) 10-2003-0021853
(52)	U.S. Cl.	
(58)	Field of S	earch
(56)		References Cited
	U.	S. PATENT DOCUMENTS

5,142,393 A * 8/1992 Okumura et al. 349/121

5,490,003 5,619,356 6,295,113	A A B1	*	2/1996 4/1997 9/2001	Sonehara et al. 349/98 Van Sprang 349/96 Kozo et al. 349/99 Yang 349/179 Itou et al. 349/179
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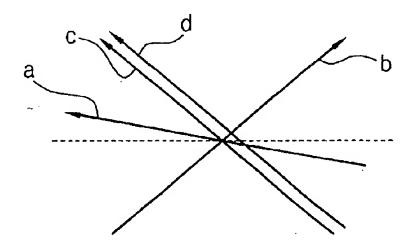
^{*} cited by examiner

Primary Examiner—Tarifur R. Chowdhury (74) Attorney, Agent, or Firm—Ladas & Parry LLP

(57) ABSTRACT

The present invention relates to a liquid crystal display, comprising a lower alignment film formed on a lower substrate; an upper alignment film formed on an upper substrates; a liquid crystal layer sandwiched between the lower and upper substrates; a phase compensation film dhered on the outer surface of the upper substrate and a polarizer adhered on the phase compensation film wherein the lower alignment film has an alignment angle of 10-20° with respect to a horizontal line, the upper alignment film has an alignment angle of 40 to 55° with respect to a horizontal line, the liquid crystal layer has a phase delay value (d Δ n) of 0.24-0.27 μ m, the phase compensation film has a phase compensation function of $\lambda/4$ and also has an optical axis making 140-146° with a horizontal line and the polarizer has an absorption axis making 120 to 122.5° with a horizontal line.

2 Claims, 7 Drawing Sheets



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PATENT

Docket:

COMBINED DECLARATION AND POWER OF ATTORNEY
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL, CONTINUATION OR CIP)
As a below named inventor, I hereby declare that:
TYPE OF DECLARATION
This declaration is of the following type: (check one applicable item below)
x original design supplemental
Note: If the Declaration is for an International Application being filed as a divisional, continuation or continuation-in-part application, do <u>not</u> check next item; check appropriate one of last three items.
national stage of PCT
Note: If one of the following 3 items apply, then complete and also attach ADDED PAGES FOR DIVISIONAL, CONTINUATION OR CIP.
divisional continuation continuation-in-part (CIP)
INVENTORSHIP IDENTIFICATION
WARNING: If the inventors are each not the inventors of all the claims, an explanation of the facts, including the ownership of all the claims at the time the last claimed invention was made, should be submitted.
My residence, post office address and citizenship are as stated below, next to my name. I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed, and for which a patent is sought on the invention entitled:
TITLE OF INVENTION
LIQUID CRYSTAL DIPSLAY
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SPTO Llon

SPECIFICATION IDENTIFICATION

the specification of which: (complete (a), (b) or (c))
(a) is attached hereto.
(b) was filed on as Serial No or Express Mail No. (as Serial No. not yet known) and was amended on (if applicable).
Note: Amendments filed after the original papers are deposited with the PTO that contain new matter are not accorded a filing date by being referred to in the Declaration. Accordingly, the amendments involved are those filed with the application papers or, in the case of a supplemental Declaration, are those amendments claiming matter not encompassed in the original statement of invention or claims. See 37 CFR 1.67.
(c) was described and claimed in PCT International Application No filed on and as amended under PCT Article 19 on (if any).
ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56,
(also check the following items, if desired)
and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and
in compliance with this duty, there is attached an information disclosure statement, in accordance with 37 CFR 1.98.
PRIORITY CLAIM (35 U.S.C. º 119(a)-(d))
I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

	(comple	te (d) or (e),		
(d) no such	applications have been	filed.		
x (e) such ap	plications have been file	d as follov	vs.	
	is entered above and the in check item (e), enter the deta			
(6 MC	EIGN/PCT APPLICATION(S ONTHS FOR DESIGN) PRIC Y PRIORITY CLAIMS UNDI	R TO THIS	S APPLICATION	
COUNTRY (OR INDICATE IF PCT	APPLICATION NUMBER		OF FILING nonth/year)	PRIORITY CLAIMED UNDER 35 USC 119
Republic of Korea	2002-45641	01/	08/2002	⊠ YES NO □
Republic of Korea	2003-21853	08/	04/2003	⊠ YES NO □
	enefit under Title 35, Ui	C. º 119(e))	
PROVISIO	ONAL APPLICATION N	UMBER	FILI	NG DATE
ALL FOREIGN A	PPLICATION(S), IF ANY	'. FILED N	ORE THAN 12.1	AONTHS
	HS FOR DESIGN) PRIOR			

Note: If the application filed more than 12 months from the filing date of this application is a PCT filing forming the basis for this application entering the United States as (1) the national stage or (2) a continuation, divisional, or continuation-in-part, then also complete ADDED PAGES TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION for benefit of the prior U.S. or PCT application(s) under 35 U.S.C. § 120. Fig. 10.

POWER OF ATTORNEY

I hereby	appoint	the fo	llowir	ng practition	oner(s)	to prosecut	e this app	olication	and to	ransact all
business	in the l	Patent	and T	rademark	Office	connected	therewith	l (list nan	ne and	registration
number).										J

Thomas F. Peterson, 24790; Richard J. Streit, 25765; Donald P. Reynolds, 26220; W. Dennis Drehkoff, 27193; Vangelis Economou, 32341; Brian W. Hameder, 45613; Valerie Neymeyer-Tynkov, Reg. 46956; Paul B. West, 18947; Joseph H. Handelman, 26179; Peter D. Galloway 27885; John Richards, 31503; Iain C. Baillie, 24090; Richard P. Berg, 28145

Attached, as pa	art of this declara	ation	and pow	er of	attorney,	is the authoriz	zation o	f the
above-named	practitioner(s)	to	accept	and	follow	instructions	from	my
representative((s).							•

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

(Name and telephone number)

Richard J. Streit c/o Ladas & Parry 224 South Michigan Avenue Suite 1200 Chicago, Illinois 60604

(312) 427-1300

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE(S) .

Note: Carefully indicate the family (or last) name, as it should appear on the filing receipt and all other documents:

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Full na	me of sole or	first inven	tor			0 =	2003
Dor	ng Hae				SUH	FEB 2 5	2000
(0	iven Name)		(Middle I	Initial or Name)		r Last) Name)	
Invento	or's signature	·	SWM	Bogs Jal	•		
Date	July 15,	2003	Coun	ntry of Citizenship	Republic of	Korea	•
Reside	nce	Daegu					
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Young Il			PARK
(Given Name)		(Middle Initial or Name)	(Family (or Last) Name)
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Korea			
	_	•	
Full name of third join	nt inventor	, if any	
Hee Cheol		•	KIM
(Given Name)		(Middle Initial or Name)	(Family (or Last) Name)
[nventor's signature_		En .	
Date July 15, 20	003	Country of Citizenship	Republic of Korea
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Post Office Address Full name of fourth jo Hwan Su	•	r, if any	SHIM
Post Office Address Full name of fourth jo Hwan Su (Given Name)	•		
Post Office Address Full name of fourth jo Hwan Su (Given Name) nventor's signature	int invento	(Middle Initial or Name)	SHIM (Family (or Last) Name)
Full name of fourth jo Hwan Su (Given Name) nventor's signature July 15, 20	int invento	(Middle Initial or Name) Country of Citizenship	SHIM (Family (or Last) Name)
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Full name of fourth jo Hwan Su (Given Name) nventor's signature Date July 15, 20 Residence Post Office Address	int invento 003 Kyoungki- 106-206, F	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441	SHIM (Family (or Last) Name) Republic of Korea
Full name of fourth jo Hwan Su (Given Name) nventor's signature July 15, 20 Residence	int invento 003 Kyoungki- 106-206, F	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441	SHIM (Family (or Last) Name) Republic of Korea
Full name of fourth jo Hwan Su (Given Name) nventor's signature Date July 15, 20 Residence Post Office Address	int invento 003 Kyoungki- 106-206, F	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441	SHIM (Family (or Last) Name) Republic of Korea
Post Office Address Full name of fourth jo Hwan Su (Given Name) nventor's signature Date July 15, 20 Residence Post Office Address Ich'on, Kyoungl	int invento 003 Kyoungki- 106-206, H	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441	SHIM (Family (or Last) Name) Republic of Korea
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Full name of fourth jo Hwan Su (Given Name) nventor's signature Date July 15, 20 Residence Post Office Address Ich'on, Kyoungh	int invento	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441	SHIM (Family (or Last) Name) Republic of Korea -1, Sadong-ri, Daewol-myo
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Full name of fourth jo Hwan Su (Given Name) nventor's signature Date July 15, 20 Residence Post Office Address Ich'on, Kyoungh Full name of fifth join Won Geon (Given Name) nventor's signature	int invento 003 Kyoungki- 106-206, Hei-do, Korea t inventor,	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441 if any (Middle Initial or Name)	SHIM (Family (or Last) Name) Republic of Korea -1, Sadong-ri, Daewol-myon LEE (Family (or Last) Name)
Full name of fourth jo Hwan Su (Given Name) nventor's signature Date July 15, 20 Residence Post Office Address Ich'on, Kyoungh Won Geon (Given Name) nventor's signature Date July 15, 20	int invento 003 Kyoungki- 106-206, Hei-do, Korea t inventor, 03 Seoul	(Middle Initial or Name) Country of Citizenship do Hyundai Employee Apt., 441 if any (Middle Initial or Name)	SHIM (Family (or Last) Name) Republic of Korea -1, Sadong-ri, Daewol-myor LEE (Family (or Last) Name) Republic of Korea



LADAS & PARRY CHICAGO UNITED STATES PATENT AND TRADEMARK OFFICE

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26530 LADAS & PARRY 224 SOUTH MICHIGAN AVENUE, SUITE 1200 CHICAGO, IL 60604

CONFIRMATION NO. 9453 CORRECTED FILING RECEIPT OC000000011407401*

Date Mailed: 12/03/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Dong Hae Suh, Daegu, KOREA, REPUBLIC OF; Young II Park, Seoul, KOREA, REPUBLIC OF; Hee Cheol Kim, Seoul, KOREA, REPUBLIC OF Hwan Su Shim, Kyoungki-do, KOREA, REPUBLIC OF; Won Geon Lee, Seoul, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 2002-45641 08/01/2002 REPUBLIC OF KOREA 2003-21853 04/08/2003

If Required, Foreign Filing License Granted: 10/24/2003

Projected Publication Date: 02/05/2004

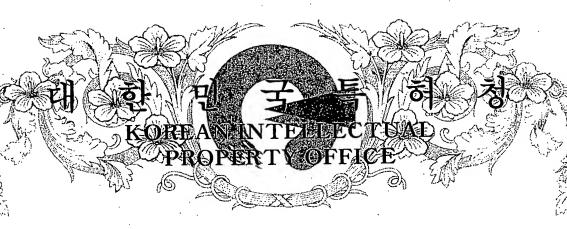
Non-Publication Request: No

Early Publication Request: No

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Title



별첨 시본은 아래 출원의 원본과 동일함을 증명함.

This is to certify that the following application annexed hereto is a true copy from the records of the Korean Intellectual Property Office.

출 원 번 호

10-2002-0045641

Application Number

출 원 년 월 일 Date of Application 2002년 08월 01일 AUG 01, 2002

춤 원 인

비오이 하이디스 테크놀로지 주식회사 BOE Hydis Technology Co., Ltd.



2003 년 ⁰⁵ 월 ²⁹ 일

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특 허 청 COMMISSIONER